



Sheet 1 of 15

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office	Docket No. ISIS-5213	Application No. 10/601,242
	Applicant Phillip Dan Cook, et al.	
	Filing Date June 20, 2003	Group Not Yet Assigned
	Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)		
	1	Agrawal, S. et al., "Oligodeoxynucleoside Phosphoramidates and Phosphorothioates as Inhibitors of Human Immunodeficiency Virus", <i>Proc. Natl. Acad. Sci. USA</i> , 1988, 85, 7079-7083
	2	Augustyns et. al., "Influence of the Incorporation of (S)-9-(3,4-dihydroxy-butyl)Adenine on the Enzymatic Stability and Base-Pairing Properties of Oligodeoxynucleotides", <i>Nucl. Acids Res.</i> , 1991, 19, 2587-2593
	3	Beaton et. al., Chapter 5, Synthesis of oligonucleotide phosphorodithioates, page 109, <i>Oligonucleotides and Analogs, A Practical Approach</i> , Eckstein, F. (Ed.), IRL Press, New York, 1991, pp. 109-135
	4	Borthwick et al., "Synthesis of Chiral Carbocyclic Nucleosides", <i>Tetrahedron</i> , 1992, 48, 571-623
	5	Brill et al., "Synthesis of Deoxydinucleoside Phosphorodithioates", <i>J. Am. Chem. Soc.</i> , 1991, 113, 3972-3980
	6	Cohen in <i>Oligonucleotides: Antisense Inhibitors of Gene Expression</i> , CRC Press, Inc., Boca Raton, FL (1989), 1-255
	7	Cormier and Ogilvie, "Synthesis of Hexanucleotide Analogues Containing Diisopropylsilyl Internucleotide Linkages", <i>Nucl. Acids Res.</i> , 1988, 16, 4583-4594
	8	Dagle et al., "Physical properties of oligonucleotides containing phosphoramidate-modified internucleoside linkages", <i>Nucl. Acids Res.</i> , 1991, 19, 1805-1810
	9	Dagle et al., "Targeted degradation of mRNA in <i>Xenopus</i> oocytes and embryos directed by modified oligonucleotides: studies of An2 and cyclin in embryogenesis", <i>Nucl. Acids Res.</i> , 1990, 18, 4751-4757
	10	Dagle et al., "Pathways of Degradation and Mechanism of Action of Antisense Oligonucleotides in <i>Xenopus laevis</i> Embryos", <i>Antisense Research and Development</i> , 1991, 1, 11-20
EXAMINER	DATE CONSIDERED 5-16-05	



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	11	Debart et al., "Intermolecular Radical C-C Bond Formation: Synthesis of a Novel Dinucleoside Linker for Non-anionic Antisense Oligonucleosides", <i>Tetra. Lett.</i> , 1992, 33, 2645-2648
	12	Eder, P.S. et al., "Ribonuclease H from K562 Human Erythroleukemia Cells", <i>J. Biol. Chem.</i> , 1991, 266(10), 6472-6479
	13	Gagnor et. al., "α-DNA VI: Comparative Study of α- and β-Anomeric Oligodeoxyribonucleotides in Hybridization to mRNA and in Cell Free Translation Inhibition", <i>Nucl. Acids Res.</i> , 1987, 15, 10419-10436
	14	Gait et al., "Synthetic Analogues of Polynucleotides. Part XII. Synthesis of Thymidine Derivatives Containing an Oxyacetamido- or and Oxyformamido-Linkage Instead of a Phosphodiester Group", <i>J.C.S Perkins I</i> , 1974, 1684-1686
*	15	Greenberg, M.E. in Current Protocols in Molecular Biology, Ausubel et al. (Eds.), John Wiley and Sons, NY No year given
	16	Kawasaki et al., <i>Synthesis and Biophysical Studies of 2'-dRIBO-2'-F Modified Oligonucleotides</i> , Conference On Nucleic Acid Therapeutics, Clearwater, FL, January 13, 1991
	17	Kawasaki et al., "Uniformly Modified 2'-Deoxy-2'-fluoro Phosphorothioate Oligonucleotides as Nuclease-Resistant Antisense Compounds with High Affinity and Specificity for RNA Targets", <i>J. Med. Chem.</i> , 1993, 36, 831-841
	18	Kierzek et. al., "Association of 2'-5' Oligoribonucleotides", <i>Nucl. Acids Res.</i> , 1992, 20, 1685-1690
	19	Kirshenbaum et. al., <i>The 5th San Diego Conference: Nucleic Acids: New Frontiers</i> , Poster abstract 28, November 14-16, 1990
	20	Matteucci et al., "Deoxyoligonucleotides Bearing Neutral Analogues of Phosphodiester Linkages Recognize Duplex DNA via Triple-Helix Formation", <i>J. Am. Chem. Soc.</i> , 1991, 113, 7767-7768

EXAMINER DATE CONSIDERED 5-16-05

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	21	Matteucci, "Hybridization Properties of a Deoxyoligonucleotide Containing Four Formacetal Linkages", <i>Nucleosides & Nucleotides</i> , 1991, 10, 231-234	
	22	Matteucci, "Deoxyoligonucleotide Analogs Based on Formacetal Linkages", <i>Tetrahedron Letters</i> , 1990, 31 2385-2388	
	23	Mertes and Coats, "Synthesis of Carbonate Analogs of Dinucleosides. 3'-Thymidinyl 5'-Thymidinyl Carbonate, 3'-Thymidinyl 5'-(5-Fluoro-2'-deoxyuridinyl) Carbonate, and 3'-(5-Fluoro-2'-deoxyuridinyl) 5'-Thymidinyl Carbonate", <i>J. Med. Chem.</i> , 1969, 12, 154-157	
	24	Miller et al., "Effects of a Trinucleotide Ethyl Phosphotriester, G ^m p(Et)G ^m p(Et)U, on Mammalian Cells in Culture", <i>Biochemistry</i> , 1977, 16, 1988-1996	
	25	Miller et. al., Chapter 6, Synthesis of oligo-2'-deoxyribonucleoside methylphosphonates, page 137, <i>Oligonucleotides and Analogs, A Practical Approach</i> , Eckstein, F., Ed.; The Practical Approach Series, IRL Press, New York, 1991. <i>pages??</i>	
	26	Miller and Ts'o, "A New Approach to Chemotherapy Based on Molecular Biology and Nucleic Acid Chemistry: Matagen (Masking Tape for Gene Expression)", <i>Anti-Cancer Drug Design</i> , 1987, 2, 117-128	
	27	Miller et al., "A Oligonucleotide Inhibitors of Gene Expression in Living Cells: New Opportunities in Drug Design", <i>Annual Reports in Medicinal Chemistry</i> , 1988, Ch. 30, 295-304	
	28	Monia et al., "Evaluation of 2'-Modified Oligonucleotides Containing 2'-Deoxy Gaps as Antisense Inhibitors of Gene Expression", <i>J. Bio. Chem.</i> , 1993, 268, 14514-14522	
	29	Musicki and Widlanski, "Synthesis of Nucleoside Sulfonates and Sulfones", <i>Tetrahedron Letters</i> , 1991, 32, 1267-1270	
	30	Musicki and Widlanski, "Synthesis of Carbohydrate Sulfonates and Sulfonate Esters", <i>J. of Organic Chemistry</i> , 1990, 55, 4231-4233	
EXAMINER		DATE CONSIDERED 5-16-05	

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	31	Ogilvie and Cormier, "Synthesis of a Thymidine Dinucleotide Analogue Containing an Internucleotide Silyl Linkage", <i>Tetra. Lett.</i> , 1985, 26, 4159-4162	
	32	Perbost et al., "Sugar Modified Oligonucleotides I. Carbo-Oligodeoxynucleotides as Potential Antisense Agents", <i>Biochem. Biophys. Res. Commun.</i> , 1989, 165, 742-747	
	33	Petersen et al., "Chemical Synthesis of Dimer Ribonucleotides Containing Internucleotidic Phosphoradithioate Linkages", <i>Tetra. Lett.</i> , 1990, 31, 911-914	
	34	Sagi et al., "Biochemical Properties of Oligo[(+)-Carbocyclic-Thymidylates] and Their Complexes", <i>Nucl. Acids Res.</i> , 1990, 18, 2133-2140	
	35	Saison-Behmoaras et al., "Short Modified Antisense Oligonucleotides Directed against Ha-ras Point Mutation Induce Selective Cleavage of the mRNA and Inhibit T24 Cells Proliferation", <i>EMBO J.</i> , 1991, 10, 1111-1118	
	36	Schneider et al., "Oligonucleotides Containing Flexible Nucleoside Analogues", <i>J. Am. Chem. Soc.</i> , 1990, 112, 453-455	
	37	Schneider, K. Christian and Benner, Steven A., "Building Blocks for Oligonucleotide Analogs with Dimethylene-Sulfide, Sulfoxide, and Sulfone Groups Replacing Phosphodiester Linkages" <i>Tetra Lett.</i> , 1990, 31, 335-338	
	38	Secrist, et. al., "Synthesis and Biological Activity of 4'-Thionucleosides" <i>Tenth International Roundtable: Nucleosides, Nucleotides and Their Biological Evaluation</i> , September 16-20, 1992, Abstracts of Papers, Abstract 21	
	39	Stawinski Jacek and Thelin Mats, <i>Tenth International Roundtable: Nucleosides, Nucleotides and Their Biological Evaluation</i> , September 78, 1992, Abstracts of Papers, Abstract 80	
	40	Vasseur et al., "Oligonucleosides: Synthesis of Novel Methylhydroxylamine-Linked Nucleoside Dimer and Its Incorporation into Antisense Sequences", <i>J. Am. Chem. Soc.</i> , 1992 114, 4006-4007	
EXAMINER		DATE CONSIDERED 5-16-05	



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	41	Atkinson and Smith, "Solid-Phase Synthesis of Oligodeoxyribonucleotides by the Phosphite-triester Method", <i>Oligonucleotide Synthesis a practical approach</i> , Ch. 3, pp. 35-81, 1991
	42	Berkowitz et al., "Synthesis of 1,2-Dihydro-1-(2-deoxy-β-D-Erythro-pentafuranosyl)-2-Oxopyrazine 4-oxide", <i>J. Med. Chem.</i> , 1973, 16(2), 183-184
	43	Biggadike et al., "Short Convergent Route to Homochiral Carbocyclic 2'-Deoxynucleosides and Carbocyclic Ribonucleosides", <i>J. Chem Soc., Chem Commun.</i> , 1987, 1083-1084
	44	Block et al., <i>Gene</i> , 1988, 72, 349-360
	45	Veeneman et al., "Synthesis of Oligodeoxynucleotides Containing Thymidines Linked Via an Internucleosidic-(3'-5')-Methylene Bond", <i>Recueil des Travaux Chimiques des Pays-Bas</i> , 1990 109, 7-8, 449-451
	46	Agris et al., "Inhibition of Vesicular Stomatitis Virus Protein Synthesis and Infection by Sequence-Specific Oligodeoxyribonucleoside Methylphosphonates", <i>Biochem.</i> , 1986, 25(20), 6268-6275
	47	Brill et al., "Synthesis of Oligodeoxynucleoside Phosphorodithioates via Thioamidites", <i>J. Am. Chem. Soc.</i> , 1989, 111, 2321-2322
	48	Castle and Seese, "Imidazo[4,5-d]pyridazines I. Synthesis of 4,7-Disubstituted Derivatives", <i>J. Org. Chem.</i> , 1958, 23, 1534-1538
	49	Cazenave et al., "Enzymatic Amplification of Translation Inhibition of Rabbit β-globin mRNA Mediated by Anti-Messenger Oligodeoxynucleotides Covalently Linked to Intercalating Agents", <i>Nucleic Acids Research</i> , 1987, 15(12), 4717-4736
	50	Constant et al., "Heterodimeric Molecules Including Nucleic Acid Bases and 9-Aminoacridine. Spectroscopic Studies, Conformations, and Interactions with DNA", <i>Biochemistry</i> , 1988, 27, 3997-4003
EXAMINER	DATE CONSIDERED 5-16-05	



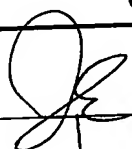
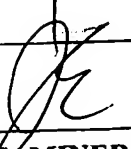
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51	Dreyer and Dervan, "Sequence-Specific Cleavage of Single-Stranded DNA: Oligodeoxynucleotide-EDTA-Fe(II)", <i>Proc. Natl. Acad. Sci. USA</i> , 1985 , 82, 968-972	
52	Freskos, J.N., "Synthesis of 2'-Deoxypyrimidine Nucleosides Via Copper (I) Iodide Catalysis", <i>Nucleosides & Nucleotides</i> , 1989 , 8(5&6), 1075-1076	
53	Ikehara et al., <i>Nucl. Acids Res.</i> , 1977 , 4(12), 4249-4260	
54	Inoue et al., "Sequence-dependent Hydrolysis of RNA Using Modified Oligonucleotide Splints and RNase H", <i>Febs. Ltrs.</i> , 1987 , 215, 327-330	
55	Inoue et al., "Synthesis and Hybridization Studies on Two Complementary Nona(2'-O-Methyl)Ribonucleotides", <i>Nucl. Acids. Res.</i> , 1987 , 15, 6131-6148	
56	Jarvi et al., "Synthesis and Biological Evaluation of Dideoxynucleosides Containing a Difluoromethylene Unit", <i>Nucleosides & Nucleotides</i> , 1989 , 8(5&6), 1111-1114	
57	Jayaraman et al., "Selective Inhibition of Escherichia Coli Protein Synthesis and Growth by Nonionic Oligonucleotides Complementary to the 3' End of 16S rRNA", <i>Proc. Natl. Acad. Sci. USA</i> , 1981 , 78(3), 1537-1541	
58	Jones, R.A., "Preparation of Protected Deoxyribonucleosides", from <i>Oligonucleotide Synthesis-A Practical Approach</i> , 1991 , Ch. 2, 23-34	
59	Jones et al., "4-Substituted Nucleosides. 5. Hydroxymethylation of Nucleoside 5'-Aldehydes", <i>J. Org. Chem.</i> , 1979 , 44(8), 1309-1317	
60	Kazimierczuk et al., "Synthesis of 2'-Deoxytubercidin, 2'-Deoxyadenosine, and Related 2'-Deoxynucleosides via A Novel Direct Stereospecific Sodium Salt Glycosylation Procedure", <i>J. Am. Chem. Soc.</i> , 1984 , 106, 6379-6382	
EXAMINER	<i>Janet L. Goff</i>	DATE CONSIDERED 5-16-05



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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	61	Le Doan et al., "Sequence-Targeted Chemical Modifications of Nucleic Acids by Complimentary Oligonucleotides Covalently Linked to Porphyrins", <i>Nucl. Acids Res.</i> , 1987, 15(21), 8643-8659	
	62	Letsinger et al., "Effects of Pendant Groups at Phosphorus on Binding Properties of d-ApA Analogues", <i>Nucleic Acids Research</i> , 1986, 14(8), 3487-3499	
	63	Matsukura et al., "Phosphorothioate Analogs of Oligodeoxynucleotides: Inhibitors of Replication and Cytopathic Effects of Human Immunodeficiency Virus", <i>Proc. Natl. Acad. Sci. USA</i> , 1987, 84, 7706-7710	
	64	Meyer et al., "Efficient, Specific Cross-Linking and Cleavage of DNA by Stable, Synthetic Complementary Oligodeoxynucleotides", <i>J. Am. Chem. Soc.</i> , 1989, 111, 8517-8519	
	65	Miller et al., "Biochemical and Biological of Nonionic Nucleic Acid Methylphosphonates", <i>Biochemistry</i> , 1981, 20 1874-1880	
	66	Miller et al., "Nonionic Nucleic Acid Analogues. Synthesis and Characterization of Dideoxyribonucleoside Methylphosphonates", <i>Biochemistry</i> , 1979, 18, 5134-5142	
	67	Miller et al., "Synthesis and Properties of Adenine and Thymine Nucleoside Alkyl Phosphotriesters, the Neutral Analogs of Dinucleoside Monophosphates", <i>J. Am. Chem. Soc.</i> , 1971, 93(24), 6657-6664	
	68	Outten, R.A., "Synthetic 1-Methoxybenzo[d]naphtho[1,2-b]pyran-6-one C-Glycosides", <i>J. Org. Chem.</i> , 1987, 52(22), 5064-5066	
	69	Revankar et al., "Synthesis and Antiviral/Antitumor Activities of Certain 3-Deazaguanine Nucleosides and Nucleotides", <i>J. Med. Chem.</i> , 1984, 27, 1389-1396	
	70	Robins et al., "Nucleic Acid Related Compounds. 42. A General Procedure for the Efficient Deoxygenation of Secondary Alcohols. Regiospecific and Stereoselective Conversion of Ribonucleosides to 2'-Deoxynucleosides", <i>J. Am. Chem. Soc.</i> , 1983, 105, 4059-4065	
EXAMINER		DATE CONSIDERED 5-16-05	



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	71	Roelen et al., "Synthesis of Nucleic Acid Methylphosphonothioates", <i>Nucleic Acids Research</i> , 1988, 16(15), 7633-7645
	72	Ruby and Abelson, "An Early Hierarchic Role of U1 Small Nuclear Ribonucleoprotein in Spliceosome Assembly", <i>Science</i> , 1988, 242, 1028-1035
	73	Sigman, D.S., "Nuclease Activity of 1,10-Phenanthroline-Copper Ion", <i>Acc. Chem. Res.</i> , 1986, 19, 180-186
	74	Smith et al., "Antiviral Effect of an Oligo(nucleoside Methylphosphonate) Complementary to the Splice Junction of Herpes Simplex Virus Type 1 Immediate Early pre-mRNAs 4 and 5", <i>Proc. Natl. Acad. Sci. USA</i> , 1986, 83, 2787-2791
	75	Stein, C.A., "Physiochemical Properties of Phosphorothioate Oligodeoxynucleotides", <i>Nucleic Acids Research</i> , 1988, 16(8), 3209-3221
	76	Suciu and Lerner, "Synthesis of 9-(2,5-dideoxy- β -D-glycero-pent-4-enofuranosyl)adenine", <i>Carbohydrate Research</i> , 1975, 44, 112-115
	77	Tidd et al., "Evaluation of N-ras Oncogene Anti-Sense, Sense and Nonsense Sequence Methylphosphonate Oligonucleotide Analogues", <i>Anti-Cancer Drug Design</i> , 1988, 3, 117-127
	78	van der Krol, "Modulation of Eukaryotic Gene Expression by Complementary RNA or DNA Sequences", <i>BioTechniques</i> , 1988, 6(10), 958-974
	79	Walder and Walder, "Role of RNase H in Hybrid-Arrested Translation by Antisense Oligonucleotides", <i>Proc. Natl. Acad. Sci. USA</i> , 1988, 85, 5011-5015
	80	Yeung et al., "Photoreactivities and Thermal Properties of Psoralen Cross-Links", <i>Biochemistry</i> , 1988, 27, 3204-3210
EXAMINER	DATE CONSIDERED 5-16-05	



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	81	Zon, G., "Synthesis of Backbone-Modified DNA Analogues for Biological Applications", <i>J. Protein Chem.</i> , 1987, 6(2), 131-145	
	82	Inoue et al., "Synthesis and Properties of Novel Nucleic Acid Probes", <i>Nucl. Acids Res., Symposium Series</i> , 1985, 16, 165-168	
	83	Szemzo et. al., "First Synthesis of Carbocyclic Oligothymidylates", <i>Tetra. Lett.</i> , 1990, 31, 1463-1466	
	84	Uhlmann et al., "Antisense oligonucleotides: A new therapeutic principle", <i>Chem. Reviews</i> , 1990, 90(4), 544-584	
	85	Antisense '97: A roundtable on the state of the industry, <i>Nature Biotech.</i> , 1997, 15, 519-524	
	86	Fujimori et al., "Enantio-DNA recognizes complementary RNA but not complementary DNA", <i>J. Am. Chem. Soc.</i> , 1990, 112(20), 7436-7438	
	87	Gewirtz et al., "Facilitating oligonucleotide delivery: Helping antisense deliver on its promise", <i>Proc. Natl. Acad. Sci. USA</i> , 1996, 93, 3161-3163	
	88	Gura, "Antisense has growing pains", <i>Science</i> , 1995, 270, 575-577	
	89	Milligan et al., "Current concepts in antisense drug design", <i>J. Med. Chem.</i> , 1993, 36(14), 1923-1937	
	90	Stull et al., "Antigene, ribozyme and aptamer nucleic acid drugs: Progress and prospects", <i>Pharm. Res.</i> , 1995, 12(4), 465-483	
EXAMINER		DATE CONSIDERED 5-16-05	




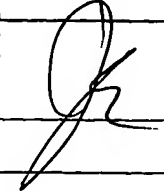
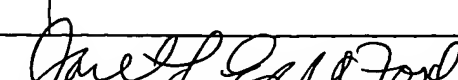
Sheet 10 of 15

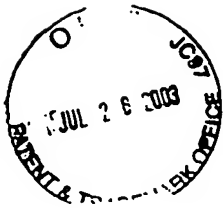
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	91	deBufalo, et al., AEffect of cisplatin and c-myb antisense phosphorothioate oligodeoxynucleotides combination on a human colon carcinoma cell line in vitro and in vivo, @ <i>British J. Cancer</i> , August 1996, 3, 387-393
	92	Kitajima, et al., AAblation of transplanted HTLV tax tumors in mice by antisense inhibition of NF-kB, <i>Science</i> , December 1992, 258, 1792-1796
	93	Leonetti, et al., AAntitumor effect of c-myc antisense phosphorothioate oligodeoxynucleotides on human melanoma cells in vitro and in mice, @ <i>J. National Cancer Institute</i> , April 1996, 88(7), 419-429
	94	Monia, et al., AAntitumor activity of a phosphorothioate antisense oligodeoxynucleotides targeted against C-raf kinase, <i>Nature Medicine</i> , June 1996, 2(6), 668-674
	95	Neurath, et al., ALocal administration of antisense phosphorothioate oligonucleotides to the p65 subunit of NF-kB abrogates established expermental colitis in mice, <i>Nature Medicine</i> , September 1996, 2(9), 997-1002
	96	Oberbauer, et al., AIn vivo suppression of the renal Na ⁺ /Pi cotransporter by antisense oligonucleotides, <i>Physiology</i> , May 1996, 93, 4903-4906
	97	Offensperger, et al., AIn vivo inhibition of duck hepatitis B viris replication and gene expression by phosphorothioate modified antisense oligodeoxynucleotides, @ <i>EMBO J.</i> , 1993, 12(3), 1257-1262
	98	Simons, et al., AAntisense c-myb oligonucleotides inhibit intimal arterial smooth muscle cell accumulation in vivo, @ <i>Nature</i> , September 1992, 359, 67-70
	99	Sun, et al., AEffect of phosphorothioated neuropeptide Y Y1-receptor antisense oligodeoxynucleotide in conscious in conscious rates and human vessels, <i>British J. Pharmacology</i> , 1996, 118, 131-136
	100	Jen, et al., ASuppression of gene expression by targeted disruption of messenger RNA: available options and current strategies, @ <i>Stem Cells</i> , 2000, 18, 307-319
EXAMINER		DATE CONSIDERED 5-16-05



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	101	Rojanasakul, Y., AAntisense oligonucleotide therapeutics: drug delivery and targeting, <i>Adv. Drug Delivery Rev.</i> , 1996, 18, 115-131	
	102	Monia, et al., ASequence-specific antitumor activity of a phosphorothioate oligodeoxyribonucleotide targeted of human C-raf kinase supports an antisense mechanism of action in vivo, <i>Pharmacology</i> , December 1996, 15481-15484	
	103	Offensperger, et al., AAntisense therapy of hepatitis B virus infection, <i>Antisense Therapeutics</i> , 1996, 143-158	
	104	Nielsen, P.E., ASequence-selective recognition of DNA by strand displacement with a thymine-substituted polyamide, <i>Science</i> , December 6, 1991, 5037, XP 000405940, 1497-1500	
	105	Agrawal, S., et al., "Site-specific excision from RNA by RNase H and mixed-phosphate-backbone oligodeoxynucleotides," <i>Proc. Nat'l Acad. Sci.</i> , February 1990, 87, 1401-1405	
	106	Boado, R.J., et al., "Complete inactivation of target mRNA by biotinylated antisense oligodeoxynucleotide-avidin conjugates," <i>Bioconjugate Chemistry</i> , 1994, 5, 406-410	
	107	Bordier, B., et al., "Sequence-specific inhibition of human immunodeficiency virus (HIV) reverse transcription by antisense oligonucleotides: comparative study in cell-free assays and in HIV infected cells," <i>Proc. Nat'l Sci. U.S.A.</i> , September 1995, 92, 9383-9387	
	108	Chiang, M., et al., "Antisense oligonucleotides inhibit intercellular adhesion molecule 1 expression by two distinct mechanisms," <i>J. Biological Chemistry</i> , September 25, 1991, 18162-18171	
	109	Dean, N.M., et al., "Inhibition of protein kinase C-alpha expression in human A549 cells by antisense oligonucleotides inhibits induction of intercellular adhesion molecule 1 (ICAM-1) mRNA by phorbol esters," <i>J. Biological Chemistry</i> , June 10, 1994, 269, 16416-16424	
	110	Frank, P., et al., "Purification and characterization of human ribonuclease HII," <i>Nucleic Acids Res.</i> , 1994, 22, 5247-5254	
EXAMINER		DATE CONSIDERED 5-16-05	

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5213	Application No. 10/601,242
		Applicant Phillip Dan Cook, et al.	
		Filing Date June 20, 2003	Group Not Yet Assigned
		Confirmation No. Not Yet Assigned	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
	111	Furdon, P.J., et al., "RNase H cleavage of RNA hybridized to oligonucleotides containing methylphosphonate, phosphorothioate and phosphodiester bonds," <i>Nucleic Acid Res.</i> , November 22, 1989, 17, 9193-9204	
	112	Giles, R.V., et al., "Enhanced RNase H activity with methylphosphonodiester/phosphodiester chimeric antisense oligodeoxynucleotides," <i>Anticancer Drug Design</i> , 1992, 7, 37-48	
	113	Giles, R.V., et al., "Increased specificity for antisense oligodeoxynucleotide targeting of RNA cleavage by RNase H using chimeric methylphosphonodiester/phosphodiester structures," <i>Nucleic Acids Res.</i> , 1992, 20, 763-770	
	114	Godard, G., et al., "Antisense effects of cholesterol-oligodeoxynucleotide conjugates associated with poly(alkylcyanoacrylate) nanoparticles," <i>European J. Biochemistry</i> , 1995, 232, 404-410	
	115	ISIS Pharmaceuticals, Inc. v. Sequitur, Inc. United States District Court Southern District of California, Case No. 01 CV 1223 B (JFS), "Sequitur's Preliminary Invalidity Contentions for U.S. Patent No. 6,326,199," Richard J. Warburg, May 17, 2002, 1-43	
	116	Lee, C., et al., "Antisense gene suppression against human ICAM-1, ELAM-1, and VCAM-1 in cultured human umbilical vein endothelial cells," <i>Shock</i> , July 1995, 4, 1-10	
	117	Woolf, T.M., et al., "The stability, toxicity, and effectiveness of unmodified and phosphorothioate, oligodeoxynucleotides in xenopus oocytes and embryos," <i>Nucleic Acids Res.</i> , 1990, 18, 1763	
EXAMINER			DATE CONSIDERED 5-16-05



Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5213		Application No. 10/601,242		
		Applicant Phillip Dan Cook, et al.				
		Filing Date June 20, 2003		Group Not Yet Assigned		
		Confirmation No. Not Yet Assigned				
U. S. PATENT DOCUMENTS						
Examiner Initial		Document No.	Date	Name	Class	Subclass
	118	5,149,797	09/22/92	Pederson, et al.	536	27
	119	5,013,830	05/07/91	Ohtsuka, et al.	536	27
	120	5,134,066	07/28/92	Rogers, et al.	435	91
	121	4,908,307	03/13/90	Rodland, et al.	435	6
	122	5,034,506	07/23/91	Summerton, et al.	528	391
	123	5,256,775	06/05/90	Froehler	536	25.6
	124	5,403,711	07/06/93	Walder, et al.	435	6
	125	4,867,187	10/24/89	Duck	435	6
	126	5,220,007	06/15/93	Pederson et al.	536	23.1
	127	5,366,878	11/22/94	Pederson et al.	435	91.3
	128	5,466,786	11/14/95	Buhr et al.	536	26.26
	129	5,658,731	08/19/97	Sproat et al.	435	6
	130	5,962,425	10/05/99	Walder et al.	514	44
	131	5,623,065	04/22/97	Cook et al.	536	23.1
	132	5,652,355	07/1997	Metelev, et al.	536	24.5
133	5,856,455	01/05/99	Cook	536	23.1	
134	5,955,589	09/1999	Cook, et al.	536	23.1	
135	6,146,829	11/2000	Cook, et al.	435	6	
EXAMINER 		DATE CONSIDERED		5-16-05		

Form PTO-1449 Modified List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office		Docket No. ISIS-5213	Application No. 10/601,242	
		Applicant Phillip Dan Cook, et al.		
		Filing Date June 20, 2003	Group Not Yet Assigned	
		Confirmation No. Not Yet Assigned		

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 JUL 28 2003
 PATENT & TRADEMARK OFFICE

U. S. PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Name	Class	Subclass	
	136	US 6,326,199 B1	12/04/01	Cook, et al.	435 375	
	137	5,856,455	01/99	Cook	536 23.1	
	138	5,459,255	10/95	Cook, et al.	536 27.13	
	139	5,525,468	06/11/96	McSwiggen	435 6	
FOREIGN PATENT DOCUMENTS						
Examiner Initial	Document No.	Date	Country	Translation		
				YES	NO	
	140	39 15 462	09/06/90	Germany		
	141	0 339 330	11/28/90	EPO		
	142	2,017,369	11/24/90	Canada		
	143	WO 90/15814	06/20/90	PCT		
	144	WO 91/06556	10/24/90	PCT		
	145	WO 91/15499	04/08/91	PCT		
	146	WO 92/07065	09/24/94	PCT		
	147	41 10 085	10/01/92	Germany		
	148	WO 91/12323	08/22/91	PCT		
149	WO 94/02498	02/03/94	PCT			
EXAMINER				DATE CONSIDERED		
				5-16-05		

Form PTO-1449 Modified				Docket No. ISIS-5213		Application No. 10/601,242	
List of Patent and Publications Cited by Applicant (Use several sheets if necessary) U.S. Department of Commerce Patent and Trademark Office				Applicant Phillip Dan Cook, et al.			
				Filing Date June 20, 2003		Group Not Yet Assigned	
				Confirmation No. Not Yet Assigned			
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Document No.	Date	Country	Translation		
					YES	NO	
<i>[Signature]</i>	150	365627B1	03/13/89	EPO			
	151	WO 89/05358	06/15/89	PCT			
	152	0 260 032	08/27/87	EPO			
	153	30240795	1991	Japan			
	154	0 339 842	04/13/89	EPO			
	155	WO 93/13121 A1	07/1993	PCT			
	156	WO 86/05518	09/25/86	PCT			
	157	WO 86/05519	09/25/86	PCT			
	158	WO 92/20702	11/26/92	PCT			
	159	WO 92/20703	11/26/92	PCT			
<i>[Signature]</i>	160	WO 93/12129	06/24/93	PCT			
EXAMINER <i>[Signature]</i>				DATE CONSIDERED 5-16-05			